	PTO-1390 12-97)	U.S. DEPARTMENT OF COM	CMERCE PATENT	AND TRADEMARK OFFICE	ATTORNEY IS DOCUMENT - TO THE		
(REV.				ATTORNEY'S DOCKET NUMBER 7024109PUR48			
1	TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)						
l	CONCER	MINIC A EU D		ICE (DO/EO/US)	U.S. APPLICATION NO (If FOrms set 37 &FR 1.5		
CONCERCION ON DER 33 U.S.C. 3/1					07/1002.0		
PC'	T/US97/07663		05/06/19	ATIONAL FILING DATE 197 - May 6, 1997	PRIORITY DATE CLAIMED 05/06/1996 - May 6, 1996		
STA	TITLE OF INVENTION STABLE RECOMBINANT YEASTS FOR FERMENTING XYLOSE TO ETHANOL						
APP	LICANT(S) FOR	DO/EO/US			· · · · · · · · · · · · · · · · · · ·		
Appl	licant herewith sub	and CHEN, Zhe	ng-Dao ites Designat	ed/Elected Office (DO/EO/LIS)	the following items and other information:		
	Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. X This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.						
2, [on of items concerning a filing ur	nder 35 U.S.C. 371		
1 5				n procedures (35 U.S.C. 371(f))			
	examination un	til the expiration of th	e applicable	time limit set in 35 U.S.C. 371(b	and PCT Articles 22 and 39(1).		
4. 🛭					nonth from the earliest claimed priority date.		
5. [2		iternational Applicati					
	a. 🔲 is tran	smitted herewith (req	uired only if	not transmitted by the Internation	onal Bureau):		
		en transmitted by the					
	c. X is not	required, as the appli	cation was fi	led in the United States Receivin	g Office (RO/US).		
6.	A translation of	the International Ap	plication into	English (35 U.S.C. 371(c)(2)).			
7. 🛭	Amendments to	the claims of the Inte	mational Ap	lication under PCT Article 19 (3	5 U.S.C. 371(c)(3))		
	7. Amendments to the claims of the International Aplication under PCT Article 19 (35 U.S.C. 371(c)(3)) a. are transmitted herewith (required only if not transmitted by the International Bureau).						
		een transmitted by th					
	c. have not been made; however, the time limit for making such amendments has NOT expired.						
	d. X have not been made and will not be made.						
8.	8. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).						
9. <u>[X</u>	An oath or decla (unsigned	ration of the inventor	(s) (35 U.S.C	C. 371(c)(4)).			
10.							
Ite	ems 11. to 16. belo	w concern documen	t(s) or infor	mation included:			
Items 11. to 16. below concern document(s) or information included: 11. An Information Disclosure Statement under 37 CFR 1.97 and 1:98.							
11.							
–	_		g. A separat	e cover sneet in compliance with	37 CFR 3.28 and 3.31 is included.		
13.		nary amendment.					
L	A SECOND or S	UBSEQUENT prelin	ninary amend	iment.			
14	A substitute spec			Express Mail* label pumper			
15. [A change of pow	er of attorney and/or	address lette	Date of Deposit	paper or fee is being deposited with		
16. 🔽	Other items or in	formation:		ane United States Postal S	ervice Express Mail Post Office to		
	Request			Rooressee service under	SYCER \$ 1.10 on the data indicated		
		al Publication		Washington Dr. 20291	Assistant Commissioner for Patents,		
c.	Response to	Invitation to	Correc		14.		
đ	Defects PCT/IB/332,	30/- 308		Sign	ature of person mailling pener or fee		
		ceipt of Deman	nd		ature of person mailing paper or fee		
f.	Resp to Int	ernational Sea	ich Rend		1		
g.	Resp to International Search Report Resp to Written Opinion						
h.	Internation	al Prelim Exam	Report				
i.	. Change in address of one of the Applicants						

	U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NOP CT/US97/07663				^7024109FUR48E*			
	17. 🔼 The following fees are submitted:					CALCULATIONS PTO USE ONLY		
	BASIC NATIONAL	FEE (37 CFR 1.492	(a) (1) - (5)):					
	Search Report has	s been prepared by the	EPO or JPO	\$930.00	i			
	International preliminary examination fee paid to USPTO (37 CFR 1.482) 5720.00							
	No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2))					•		
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO								
	International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)							
	ENTE	R APPROPRIAT	E BASIC FEE AMO	UNT =	\$	540°°		
	Surcharge of \$130.0 months from the earl	0 for furnishing the oa liest claimed priority d	th or declaration later than ate (37 CFR 1.492(e)).	20 30	s			
	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$			
	Total claims	35 - 20 =	/5	x \$14].00	\$	Z10 50		
ı	Independent claims	7 -3 =	4	x \$82.0064.	\$	256		
ı	MULTIPLE DEPENI	DENT CLAIM(S) (if a	pplicable)	+ \$270.00	\$	210		
J	· 		OF ABOVE CALCU		\$ /	21605		
	Reduction of 1/2 for must also be filed (N	filing by small entity, ote 37 CFR 1.9, 1.27,	if applicable. A Small Entit 1.28).	y Statement +	s			
7			SU	BTOTAL =	\$ /	21600		
	Processing fee of \$13 months from the earl	30.00 for furnishing th iest claimed priority d	e English translation later thate (37 CFR 1.492(f)).	an 20 30	\$			
1			TOTAL NATIO		\$ /	21600		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +								
ļ	TOTAL FEES ENCLOSED =			NCLOSED =	\$ 1,	21600		
					nt to be funded:	\$		
ŀ						harged:	\$	
	a. 🔀 A check in t	he amount of \$	216 to cover the	above fees is enclos	ed.			
	b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.							
	c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any							
	overpayment to Deposit Account No. <u>23–3030</u> . A duplicate copy of this sheet is enclosed.							
	NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status							
	SEND ALL CORRESPONDENCE TO:						ソ タ 	
Kenneth A. Gandy						pur /		
WOODARD, EMHARDT, NAUGHTON, MORIARTY & MCNETT					<i>/ /</i> //			
l	Bank One Center/Tower Suite 3700 Kennet				th A. Gandy			
111 Monument Circle								
	Indianapolis, Indiana 46204 US #33,38				6	M 80		
ı	DALLO OFFICIAL MEDIA NUMBER							

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PCT application of)
PURDUE RESEARCH FOUNDATION	N) Authorized Officer) Paul F. Urrutia
International Application)
Number PCT/US97/07663) Mailing Date) 26 June 1997
International Filing Date)
06 May 1997) Agent's File) Reference:
Title of Invention) PUR-48:PCT
STABLE RECOMBINANT YEASTS)
FOR FERMENTING XYLOSE TO ETHANOL)

RESPONSE TO INVITATION TO CORRECT DEFECTS

Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231

Attn: RO/US

Dear Sir/Madam:

In response to the Invitation to Correct Defects in the International application mailed 02 June 1997, Applicant submits herewith three duly executed Appointments of Agent and new drawing sheets 1-12. We believe that this application conforms to the requirements of the PCT.

(317) 634-3456

Mail" label number 18861764/01 US Respectfully submitted reposit 27 Fig. 1990 reposit 2990 reposit 2990 reposited with reposit 2990 reposit 2990

Enclosures: 3 Appts. Of Agent and new drawing sheets 1-12 wenmm\sys\groups\frgnfile\pct\pur48inv

PATENT COOPERATION TREATY

Appointment of Agent or Common Representative

The undersigned applicant, PURDUE RESEARCH FOUNDATION, hereby appoints Harold R. Woodard, No. 16,214; C. David Emhardt, No. 18,483; Joseph A. Naughton, Jr., No. 19,814; John V. Moriarty, No. 26,207; John C. McNett, No. 25,533; Thomas Q. Henry, No. 28,309; James M. Durlacher, No. 28,840; Charles R. Reeves, No. 28,750; Vincent O. Wagner, No. 29,596; Steve Zlatos, No. 30,123; Spiro Bereveskos, No. 30,821; William F. Bahret, No. 31,087; Clifford W. Browning, No. 32,201; R. Randall Frisk, No. 32,221; Daniel J. Lueders, No. 32,581; Michael D. Beck, No. 32,722, Kenneth A. Gandy, No. 33,386; Timothy N. Thomas, No. 35,714; Kerry P. Sisselman, No. 37,237; Kurt N. Jones, No. 37,996; John H. Allie, No. 39,088; Jeffrey A. Michael, No. 37,394; Deborah R. Beck, No. 37,370; Holiday W. Banta, No. 40,311; Troy J. Cole, No. 35,102; L. Scott Paynter, No. 39,797; Lisa A. Hiday, No. 40,036 and James L. Rowe, No. 18,448, all of the same address and who are members of the Bar of the State of Indiana, constituting the firm of Woodard, Emhardt, Naughton, Moriarty & McNett, Bank One Center/Tower, Suite 3700, 111 Monument Circle, Indianapolis, Indiana 46204 United States of America

[X] as agent [] as common representative

to act on its behalf before the competent International Authorities in connection with the international application concerning STABLE RECOMBINANT YEASTS FOR FERMENTING XYLOSE TO ETHANOL, Agent's File Reference PUR-48:PCT, International Application Number unknown at this time, filed with the United States receiving office and to receive payments on its behalf.

(Place) Mest Lafayette, IN 47907 USA (Date) May 15, 1997

PURDUE RESEARCH FOUNDATION

Bruce PERSHING

Investment Officer and Secretary

PATENT COOPERATION TREATY

Appointment of Agent or Common Representative

The undersigned applicant, Nancy W.Y. HO, hereby appoints Harold R. Woodard, No. 16,214; C. David Emhardt, No. 18,483; Joseph A. Naughton, Jr., No. 19,814; John V. Moriarty, No. 26,207; John C. McNett, No. 25,533; Thomas Q. Henry, No. 28,309; James M. Durlacher, No. 28,840; Charles R. Reeves, No. 28,750; Vincent O. Wagner, No. 29,596; Steve Zlatos, No. 30,123; Spiro Bereveskos, No. 30,821; William F. Bahret, No. 31,087; Clifford W. Browning, No. 32,201; R. Randall Frisk, No. 32,221; Daniel J. Lueders, No. 32,581; Michael D. Beck, No. 32,722, Kenneth A. Gandy, No. 33,386; Timothy N. Thomas, No. 35,714; Kerry P. Sisselman, No. 37,237; Kurt N. Jones, No. 37,996; John H. Allie, No. 39,088; Jeffrey A. Michael, No. 37,394; Deborah R. Beck, No. 37,370; Holiday W. Banta, No. 40,311; Troy J. Cole, No. 35,102; L. Scott Paynter, No. 39,797; Lisa A. Hiday, No. 40,036 and James L. Rowe, No. 18,448, all of the same address and who are members of the Bar of the State of Indiana, constituting the firm of Woodard, Emhardt, Naughton, Moriarty & McNett, Bank One Center/Tower, Suite 3700, 111 Monument Circle, Indianapolis, Indiana 46204 United States of America

[X] as agent [] as common representative

to act on his/her behalf before the competent International Authorities in connection with the international application concerning STABLE RECOMBINANT YEASTS FOR FERMENTING XYLOSE TO ETHANOL, Agent's File Reference PUR-48:PCT, International Application Number unknown at this time, filed with the United States receiving office and to receive payments on his/her behalf.

(Place) West Lafayette, IN 47907 USA (Date) May 15, 1997

Name: Nangy W.Y. HO

PATENT COOPERATION TREATY

Appointment of Agent or Common Representative

The undersigned applicant, Zheng-Dao CHEN, hereby appoints Harold R. Woodard, No. 16,214; C. David Emhardt, No. 18,483; Joseph A. Naughton, Jr., No. 19,814; John V. Moriarty, No. 26,207; John C. McNett, No. 25,533; Thomas Q. Henry, No. 28,309; James M. Durlacher, No. 28,840; Charles R. Reeves, No. 28,750; Vincent O. Wagner, No. 29,596; Steve Zlatos, No. 30,123; Spiro Bereveskos, No. 30,821; William F. Bahret, No. 31,087; Clifford W. Browning, No. 32,201; R. Randall Frisk, No. 32,221; Daniel J. Lueders, No. 32,581; Michael D. Beck, No. 32,722, Kenneth A. Gandy, No. 33,386; Timothy N. Thomas, No. 35,714; Kerry P. Sisselman, No. 37,237; Kurt N. Jones, No. 37,996; John H. Allie, No. 39,088; Jeffrey A. Michael, No. 37,394; Deborah R. Beck, No. 37,370; Holiday W. Banta, No. 40,311; Troy J. Cole, No. 35,102; L. Scott Paynter, No. 39,797; Lisa A. Hiday, No. 40,036 and James L. Rowe, No. 18,448, all of the same address and who are members of the Bar of the State of Indiana, constituting the firm of Woodard, Emhardt, Naughton, Moriarty & McNett, Bank One Center/Tower, Suite 3700, 111 Monument Circle, Indianapolis, Indiana 46204 United States of America

[X] as agent [] as common representative

to act on his/her behalf before the competent International Authorities in connection with the international application concerning STABLE RECOMBINANT YEASTS FOR FERMENTING XYLOSE TO ETHANOL, Agent's File Reference PUR-48:PCT, International Application Number unknown at this time, filed with the United States receiving office and to receive payments on his/her behalf.

(Place) West Lafayette, IN	47907 USA	(Date) 📈	Mary 15, 1997	
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Name: Zheng-Dao CHEN

IN THE INTERNATIONAL BUREAU OF WIPO

In re PCT application of PURDUE RESEARCH FOUNDATION, etal))
International Application)
Number PCT/US97/07763) Mailing Date) 29 October 1998
International Filing Date)
6 May 1997) Agent's File) Reference:
Title of Invention) PUR-48:PCT
STABLE RECOMBINANT YEASTS) _
FOR FERMENTING XYLOSE TO)
ETHANOL)

CHANGE IN THE ADDRESS OF ONE OF THE APPLICANTS

The International Bureau **WIPO** 34, chemin des Colombettes 1211 Geneva 20 Switzerland

Dear Sir/Madam:

Enclosed please find a new page one of the Request, reflecting a change in the address of one of the Applicants as follows:

> PURDUE RESEARCH FOUNDATION Office of Technology Transfer 1063 Hovde Hall West Lafayette, Indiana 47907 US

Please make this change on all appropriate documents and notify all of the necessary offices. We are forwarding a copy of this letter and page one of the Request to the Receiving Office.

s Mail" label number EM 577549659US Deposit — OCTOBER 1978 reby certify that this paper or fee is being deposited with ted States Postal Service *Express Mail Post Office to ed schold under 370FR § 1.10 on the data indicated rd in addressed to the Assistant Commissioner for Patents, кол, D.C. 25231.

SignAture of person mailing , uper or ree

#27622 cc: RO/US Respectfully submitted

Gregory B. Coy (#40,967

Woodard, Emhardt, Naughton,

Moriarty & McNett

Bank One Center/Tower, Suite 3700 111 Monument Circle

Indianapolis, Indiana 46204 US

(317) 634-3456

IN THE INTERNATIONAL BUREAU OF WIPO

In re PCT application of)
PURDUE RESEARCH FOUNDATION) Authorized Officer:
) Gabriele E. Bugaisky
International Application)
Number PCT/US97/07663) Mailing Date
) 15 September 1997
International Filing Date)
06 May 1997) Agent's File
•) Reference:
Title of Invention) PUR-48:PCT
STABLE RECOMBINANT YEASTS)
FOR FERMENTING XYLOSE TO	Ś
ETHANOL	,

RESPONSE TO THE INTERNATIONAL SEARCH REPORT

The International Bureau WIPO 34, chemin des Colombettes 1211 Geneva 20 Switzerland

Dear Sir/Madam:

In response to the International Search Report mailed 28 July 1997, regarding the above-referenced PCT Patent Application, Applicant does not wish to make any amendments at this time.

Respectfully submitted

Thomas Q. Henry, #28,309

Woodard, Emhardt, Naughton,

Moriarty & McNett

Bank One Center/Tower, Suite 3700

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Indianapolis, Indiana 46204 US

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